

ABSTRACT

5 A thallium-free metal halide fill for ceramic metal halide lamps
is provided wherein the fill comprises mercury, sodium iodide,
an alkaline earth iodide selected from calcium iodide, strontium
iodide, barium iodide, or combinations thereof, and a rare-earth
iodide selected from cerium iodide, dysprosium iodide, holmium
iodide, thulium iodide, or combinations thereof. In a preferred
10 embodiment, the fill allows dimming of discharge lamps
containing same to about 60% of rated power without
substantially affecting the color of the emitted light.